

Meyers, Leasue

From: Mark C. Bross <mcb@klingner.com>
Sent: Friday, July 25, 2014 3:23 PM
To: Meyers, Leasue
Subject: Re: 10 CSR 20-8.180 Stakeholder follow-up

Leasue:

We briefly discussed liners at the stakeholder meeting on biological treatment the other day. I believe we were discussing liners for recirculating sand filter basins. I believe I mentioned 30 mils for a minimum liner thickness but that I would get back to you on it. Most liners for these types of systems are 30-40 mils thick and constructed of polyethylene and sometimes reinforced. You may want to incorporate that into the design guides in some manner.

Thanks.

Mark C. Bross, PE
Senior Project Engineer

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On Fri, Jul 25, 2014 at 9:00 AM, Meyers, Leasue <leasue.meyers@dnr.mo.gov> wrote:

Chapter 8 Stakeholders,

I want to thank those of you who attended on Wednesday and for all the comments and the discussion, it was very beneficial. The next meeting will be **Sept. 3 at Lewis and Clark at 1:00**. We will start the discussion on activated sludge. I am accepting comments on the entire rule. A revised rule will be posted to the web around Aug. 15 incorporating comments received.

Thank you,

Leasue Meyers, EIT

Engineering Section

Water Protection Program

Phone: [\(573\) 751-7906](tel:(573)751-7906)

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From: Meyers, Leasue

Sent: Monday, July 21, 2014 5:25 PM

To: Aaron Lachowicz (aaron.lachowicz@amwater.com); Alan (Al) Callier (acallier@donohue-associates.com); B. Fuerman; Benjamin (Ben) Freese (freesebp@BV.com); Bobby Lyerla; Brandon Coleman (Brandon.Coleman@hdrinc.com); DNRContact, brucewylie@acecmo.org; Bud Sherman (buds@buildit.us); Chris Erisman (Chris.Erisman@amce.com); Gross, Chuck; David Stinson (dnstinson@sseeng.com); Dennis Stith (stith@skw-inc.com); Elke Boyd (eboyd@SKW-INC.COM); Jamie Richardson (Jamie.Richardson@amwater.com); Jeff Barnard (jbarnard@burnsmcd.com); DNRContact, shook@lbvds.org; Jeffrey (Jeff) Thorn (jthorn@oaconsulting.com); Jerry Jesky (jjesky@oaconsulting.com); Jerry Lane; Jim Burks (jburks@springfieldmo.gov); John Hoagland; Keith Arbuckle (arbuckle@duckettcreek.com); Kelly Goss; Kenneth Stecher; Larry Chapple (chapplelw@bv.com); Lisa O'dell (Lisa.ODell@hdrinc.com); Mark Bross (mcb@mail.klingner.com); Mark Mintun (mmintun@munequip.com); Hummel, Martin; Mathew (Matt) Munzlinger (mmunzlinger@hannibalbpw.org); Michael (Mike) Pessina (michael.pessina@hdrinc.com); Mike Alesandrini (mike.alesandrini@urs.com); Nicole Young (Nicole.Young@LionCSG.com); Nora Estopane (nestopane@stlmsd.com); Richard (Rich) Cochran Jr. (rcochran@waterseng.com); Rick Higgins (higgins@duckettcreek.com); Ronnie Box (rbox@springfieldmo.gov); Seth Coggin; Stanley (Stan) Schultz (sjschultz@sseeng.com); Forester, Ted; Tim Southards (tjsouthards@sseeng.com); DNRContact, tratermann@bcrsd.com; Waldo Margheim (wmargheim@gbateam.com)

Cc: Mefrakis, Refaat; Carpenter, Emily; Shaw, Byron

Subject: RE: July 23, 2014 10 CSR 20-8.180 Stakeholder Meeting

Chapter 8 Stakeholders,

Attached is the draft revision to 10 CSR 20-8.180, it will soon be posted to the webpage. I am sorry for the delay in getting this posted and to you. Our first stakeholder meeting is Wednesday and we will be discussing trickling filters, recirculating media filters, and rotating biological contactors. I am still working on the draft, specifically the IFAS/MBBR/denitrification sections.

The agenda is available online at dnr.mo.gov/env/wpp/cwforum/chapter8workgroup.htm. As always, please feel free to share the draft rule with other technical experts, municipalities, and interested manufacturers. Comments in official letter form will be shared with attendees and online.

Please let me know if you have any questions. Thanks!

Hope to see you Wednesday at 1:30.

Leasue Meyers, EIT

Engineering Section

Water Protection Program

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From: Meyers, Leasue

Sent: Monday, July 07, 2014 3:05 PM

To: Aaron Lachowicz (aaron.lachowicz@amwater.com); Alan (Al) Callier (acallier@donohue-associates.com); B. Fuerman; Benjamin (Ben) Freese (freesebp@BV.com); Bobby Lyerla; Brandon Coleman (Brandon.Coleman@hdrinc.com); DNRContact, brucewylie@acecmo.org; Bud Sherman (buds@buildit.us); Cary Sayre (carysayre@allstateconsultants.net); Chris Erisman (Chris.Erisman@amce.com); Gross, Chuck; David Stinson (dnstinson@sseeng.com); Dennis Stith (stith@skw-inc.com); Elke Boyd (eboyd@SKW-INC.COM); Jamie Richardson (Jamie.Richardson@amwater.com); Jeff Barnard (jbarnard@burnsmcd.com); DNRContact, shook@lbvsd.org; Jeffrey (Jeff) Thorn (jthorn@oaconsulting.com); Jerry Jesky (jjesky@oaconsulting.com); Jerry Lane; Jim Burks (jburks@springfieldmo.gov); John Hoagland; Keith Arbuckle (arbuckle@duckettcreek.com); Kelly Goss; Kenneth Stecher; Larry Chapple (chapplelw@bv.com); Lisa O'dell (Lisa.ODell@hdrinc.com); Mark Bross (mcb@mail.klingner.com); Mark Mintun (mmintun@munequip.com); Hummel, Martin; Mathew (Matt) Munzlinger (mmunzlinger@hannibalbpw.org); Michael (Mike) Pessina (michael.pessina@hdrinc.com); Mike Alesandrini (mike.alesandrini@urs.com); Nicole Young (Nicole.Young@LionCSG.com); Nora Estopane (nestopane@stlmsd.com); Richard (Rich) Cochran Jr. (rcochran@waterseng.com); Rick Higgins (higgins@duckettcreek.com); Ronnie Box (rbox@springfieldmo.gov); Seth Coggin; Stanley (Stan) Schultz (sjschultz@sseeng.com); Forester, Ted; Tim Southards (tjsouthards@sseeng.com); DNRContact, tratermann@bcrsd.com; Waldo Margheim (wmargheim@gbateam.com)

Cc: Mefrakis, Refaat; Carpenter, Emily; Shaw, Byron

Subject: FW: July 23, 2014 10 CSR 20-8.180 Stakeholder Meeting

Chapter 8 Stakeholders,

I apologize if you are receiving this notice (see below) multiple times. The department is hosting the first stakeholder meeting regarding **10 CSR 20-8.180 Biological Treatment**. We would appreciate your participation at the meeting on **July 23rd** and/or you are welcome to send me comments via email. The first meeting will focus on attached growth technologies: trickling filters, recirculating media filters, and rotating biological contactors.

The agenda is available online at dnr.mo.gov/env/wpp/cwforum/chapter8workgroup.htm. The draft rule will be available online before the meeting. As always, please feel free to share the meeting notice and the draft rule with other technical experts, municipalities, and interested manufacturers. Comments in official letter form will be shared with attendees and online.

Please let me know if you have any questions. Thanks!

Leasue Meyers, EIT

Engineering Section

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From: Missouri DNR [<mailto:MODNR@public.govdelivery.com>]

Sent: Monday, July 07, 2014 12:55 PM

To: Meyers, Leasue

Subject: July 23, 2014 10 CSR 20-8.180 Stakeholder Meeting



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The Water Protection Program is considering a comprehensive revision to technical design guides for biological treatment, 10 CSR 20-8.180. More information about the technical session is available on the webpage: <http://dnr.mo.gov/env/wpp/cwforum/chapter8workgroup.htm>. The webpage includes the draft agenda, and handouts and a copy of the draft rule will be posted prior to the meeting.

This rule does not cover effluent limits or the effluent regulations. The initial technical session will be July 23 at 1:30 PM at the Department of Natural Resources Lewis and Clark Building, Gasconade Camp Conference Room, 1101 Riverside Drive, Jefferson City, MO.

This technical workgroup has been convened for the purpose of discussions regarding the development of this rule, in addition to the formal public participation process required for formal rulemaking. Staff hopes to engage technical experts to obtain design comments and concerns about the proposed design guides, gather additional information about wastewater treatment technologies, and technical requirements for new wastewater treatment plants. Information and documents related to this proposed rulemaking are available on the Water Protection Forum's webpage: <http://dnr.mo.gov/env/wpp/cwforum/chapter8workgroup.htm>.

The staff contact for this rulemaking is Leasue Meyers, whom you can contact at leasue.meyers@dnr.mo.gov.

Thank you.



Missouri Department of Natural Resources

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